



Analytical Laboratory
13339 Hagers Ferry Road
Huntersville, NC 28078-7929
McGuire Nuclear Complex – MG03A2
Phone: 980-875-5245 Fax: 980-875-4349

Job Summary Report

Job Number: 10-JUN-0022

Project Name: Miami Fort NPDES
Customer Name: J.R. Wood, Sue Wallace
Copy To:
Customer Address: Miami Fort

Lab Contact: Theron James
Lab Contact Phone: 704-875-4795

Report Authorized By: (Printed Name) Theron James

Report Authorized By: (Signature) Theron James Date: 6/18/10

Data Package

This data package includes analytical results that are applicable only to the samples described in this narrative. An estimation of the uncertainty of measurement for the results in the report is available upon request. This report shall not be reproduced, except in full, without the written consent of the Analytical Laboratory. Please contact the Analytical Laboratory with any questions. The order of individual sections within this report is as follows:

Job Summary Report
Analytical Laboratory Certificate of Analysis
Analytical Laboratory QC Reports (if applicable)
Sub-contracted Laboratory Results
Customer Specific Data Sheets, Reports & Documentation (if applicable)
Customer Database Entries
Test Case Narratives
Chain of Custody (COC)



Rev 02-18-08

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Job Summary Report

Certification

The Analytical Laboratory holds the following Certifications:

New York State Department of Health Certification # 11717(NELAC)
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005
North Carolina (DENR) Certification # 248

Analytical results listed in this report may not be certified by the authorities referenced above. Contact the Analytical Laboratory for definitive information about the certification status of specific methods. The results meet all requirements of NELAC except where deviations are noted in this report.

Data Flags

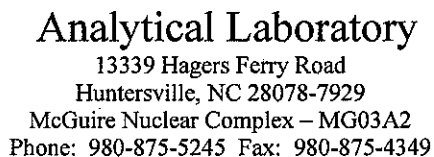
Any analytical tests or individual analytes within a test flagged with an "X" or a "1" indicate a deviation from the method quality system or quality control requirement.

Calculations

All results are reported on a wet weight basis unless otherwise noted.

Sample ID's & Descriptions:

Sample ID	Plant/Station	Collection Date	Collected By	Sample Description
30008962	MIAMI FORT	6/01/2010		OUTFALL 002
30008963	MIAMI FORT	6/01/2010		OUTFALL 608
<hr/>				
2 TOTAL SAMPLES				
<hr/>				




i)	COC and .pdf report are in agreement with sample totals and analyses (compliance programs and procedures).	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
ii)	All results are less than the laboratory reporting limits.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
iii)	All laboratory QA/QC requirements are acceptable.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
iv)	NPDES and TCLP results are below permit or regulatory limits respectively.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

[illegible]

- Indicate components included:

- #### vi) Notes and Additional Information



NA=Not applicable



Certificate of Laboratory Analysis

This report shall not be reproduced, except in full.

MIAMI FORT

Job # 10-JUN-0022

2 Samples
19 Tests
Included in this Report

Lab ID: 30008962 Sample Desc: **OUTFALL 002**

Sample Collected: 6/1/2010 09:30:00

Collected By:

Customer ID: WALLACE / WOOD

Date Initiated in Lab: 6/1/2010 08:47:46

AMMONIA (COLORIMETRIC)

Date Analyzed: 6/15/2010 10:38:00

Method: EPA 350.1

AMMONIA 0.40 mg-N/L

Reporting Limit

Flag

0.020

0

TOTAL DISSOLVED SOLIDS (EPA)

Date Posted: 6/4/2010 14:48:45

Method: SM2540D

TDS 970 mg/L

Reporting Limit

Flag

10

0

TOTAL KJELDAHL NITROGEN (COLORIMETRIC)

Date Analyzed: 6/9/2010 11:54:00

Method: EPA 351.2

TKN 0.63 mg-N/L

Reporting Limit

Flag

0.10

0

Lab ID: 30008963 Sample Desc: **OUTFALL 608**

Sample Collected: 6/1/2010 08:50:00

Collected By:

Customer ID: WALLACE / WOOD

Date Initiated in Lab: 6/1/2010 08:50:02

ALKALINITY (FIXED END POINT 4.5)

Date Posted: 6/10/2010 16:54:23

Method: SM2320B

ALKALINITY 700 mg-CaCO3/L

Reporting Limit

Flag

0.10

0

ARSENIC BY ICP-MS (DIGESTED)

Date Posted: 6/4/2010 10:57:30

Method: EPA 200.8/6020

ARSENIC < 1.00 ug/L

Reporting Limit

Flag

1.00

0

BARIUM BY ICP-MS (DIGESTED)

Date Posted: 6/4/2010 10:57:30

Method: EPA 200.8/6020

BARIUM 6.20 ug/L

Reporting Limit

Flag

1.00

0

BORON BY ICP (DIGESTED)

Date Posted: 6/4/2010 15:37:21

Method: EPA 200.7/6010B

BORON 233 mg/L

Reporting Limit

Flag

5.00

0

CADMIUM BY ICP-MS (DIGESTED)

Date Posted: 6/4/2010 10:57:30

Method: EPA 200.8/6020

CADMIUM < 1.00 ug/L

Reporting Limit

Flag

1.00

0

CHLORIDE (IC)

Date Posted: 6/9/2010 16:52:04

Method: EPA 300.0

CHLORIDE 4600 mg/L

Reporting Limit

Flag

100

0

CHROMIUM BY ICP-MS (DIGESTED)

Date Posted: 6/4/2010 10:57:30

Method: EPA 200.8/6020

CHROMIUM < 1.00 ug/L

Reporting Limit

Flag

1.00

0

COPPER BY ICP-MS (DIGESTED)

Date Posted: 6/4/2010 11:19:25

Method: EPA 200.8/6020

COPPER < 1.00 ug/L

Reporting Limit

Flag

1.00

0



MIAMI FORT

Certificate of Laboratory Analysis

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Job # 10-JUN-0022

2 Samples
19 Tests
Included in this Report

Lab ID: 30008963 Sample Desc: OUTFALL 608

Sample Collected: 6/1/2010 08:50:00

Collected By:

Customer ID: WALLACE / WOOD

Date Initiated in Lab: 6/1/2010 08:50:02

FLUORIDE (IC)

Data Posted: 6/9/2010 16:52:05

Method: EPA 300.0

FLUORIDE 2.0 mg/L

Reporting LimitFlag

1.0

0

IRON BY ICP (DIGESTED)

Data Posted: 6/4/2010 15:37:21

Method: EPA 200.7/6010B

IRON 0.123 mg/L

Reporting LimitFlag

0.0100

0

LEAD BY ICP-MS (DIGESTED)

Data Posted: 6/4/2010 10:57:30

Method: EPA 200.8/6020

LEAD < 1.00 ug/L

Reporting LimitFlag

1.00

0

MANGANESE BY ICP (DIGESTED)

Data Posted: 6/4/2010 15:37:22

Method: EPA 200.7/6010B

MANGANESE 0.167 mg/L

Reporting LimitFlag

0.00500

0

SULFATE (IC)

Data Posted: 6/9/2010 16:52:06

Method: EPA 300.0

SULFATE 10000 mg/L

Reporting LimitFlag

200

0

TOTAL DISSOLVED SOLIDS (EPA)

Data Posted: 6/4/2010 14:48:46

Method: SM2540D

TDS 26000 mg/L

Reporting LimitFlag

20

0

TOTAL SUSPENDED SOLIDS (EPA)

Data Posted: 6/3/2010 17:58:53

Method: SM2540D

TSS 10 mg/L

Reporting LimitFlag

4.0

0

ZINC BY ICP-MS (DIGESTED)

Data Posted: 6/4/2010 10:57:30

Method: EPA 200.8/6020

ZINC < 2.00 ug/L

Reporting LimitFlag

2.00

0

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM



Duke Energy Analytical Laboratory

Mail Code MGO3A2 (Building 7405)
13339 Hagers Ferry Rd
Huntersville, N. C. 28078

SM (704) 875-5245

Fax:

(704) 875-4349

Customer must Complete

1) Project Name MIAMI-FORT NPDES Quarterly (Quarterly Sampling - June 1)	2) Phone No:
3) Client	4) Fax No:
5) Business Unit:	6) Process:
8) Project ID:	9) Activity ID:
	10) Mail Code:

LIMS # 10-JUN-0022		Sample Class NPDES	
Logged By JA	Date & Time 6/1/10 8:47	Vendor 2.6	
Cooler Temp (C) 2.6		RCRA Waste	
T ¹ Preserv.: 1=HCl 2=H ₂ SO ₄ , 3=HNO ₃ 4=Ice 5=Node		SAMPLE PROGRAM Water <input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Drinking UST	
PO #	4	3	4

19) Page 1 of 1
DISTRIBUTION
ORIGINAL to LAB,
COPY to CLIENT

LAB USE ONLY		12 Chem Desktop No.		13 Sample Description or ID		14 Collection Information		16 Analyses Required		17 TDS		18 As, Fe, Ba, B, Mn, Zn, Cd, Pb, Cr, Cu		19 TSS, Alkalinity		20 Cl, F, SO4	
Lab ID						Date	Time	Signature	16 Comp.	16 Grab							
30008462				Outfall 002		6/1/10	09:30	[Signature]	X	X	1	1					
30008963				Outfall 608		6/1/10	08:56	[Signature]	X	X	1	1					

Customer to complete appropriate columns to right

Customer to sign & date below - fill out from left to right

1) Relinquished By [Signature]	Date/Time 6/2/10 10:25	2) Accepted By [Signature]	Date/Time 6/1/10	22) Requested Turnaround 14 Days _____ 7 Days _____ 48 Hr _____ Other _____ * Add. Cost Will Apply
3) Relinquished By [Signature]	Date/Time 6/2/10 10:30	4) Accepted By [Signature]	Date/Time 6/2/10 10:50	
5) Relinquished By	Date/Time	6) Accepted By	Date/Time	
7) Relinquished By	Date/Time	8) Accepted By	Date/Time	
9) Seal/Locked By [Signature]	Date/Time 6/1/20 10:25	10) Seal/Lock Opened By [Signature]	Date/Time 6/2/10 10:45	
11) Seal/Locked By	Date/Time	12) Seal/Lock Opened By	Date/Time	
Comments				

Customer, IMPORTANT!
Please indicate desired turnaround.